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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=5; day=7; hr=19; min=32; sec=44; ms=104; ]

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Application No: 10809689 Version No: 2.0

Input Set:

Output Set:

**Started:** 2008-04-23 17:58:38.189  
**Finished:** 2008-04-23 17:58:44.403  
**Elapsed:** 0 hr(s) 0 min(s) 6 sec(s) 214 ms  
**Total Warnings:** 38  
**Total Errors:** 10  
**No. of SeqIDs Defined:** 162  
**Actual SeqID Count:** 162

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E 341	'Xaa' position not defined SEQID (22) POS (10)
E 341	'Xaa' position not defined SEQID (22) POS (16)
E 341	'Xaa' position not defined SEQID (24) POS (4)
E 341	'Xaa' position not defined SEQID (43) POS (103)
E 341	'Xaa' position not defined SEQID (91) POS (5)
E 341	'Xaa' position not defined SEQID (91) POS (17)
E 341	'Xaa' position not defined SEQID (92) POS (39)
E 341	'Xaa' position not defined SEQID (112) POS (3)
E 341	'Xaa' position not defined SEQID (112) POS (28)
W 213	Artificial or Unknown found in <213> in SEQ ID (125)
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W 213	Artificial or Unknown found in <213> in SEQ ID (127)
W 213	Artificial or Unknown found in <213> in SEQ ID (128)
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W 213	Artificial or Unknown found in <213> in SEQ ID (130)
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W 213	Artificial or Unknown found in <213> in SEQ ID (132)
W 213	Artificial or Unknown found in <213> in SEQ ID (133)
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**Input Set:**

**Output Set:**

**Started:** 2008-04-23 17:58:38.189  
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Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (139)
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W 213	Artificial or Unknown found in <213> in SEQ ID (141)
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W 213	Artificial or Unknown found in <213> in SEQ ID (143)
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SEQUENCE LISTING

<110> J.A. Kemp

<120> Methods and compositions for desensitisation

<130> 217246/2004

<140> 10809689

<141> 2004-03-25

<150> US 09/610,134

<151> 2000-07-05

<150> PCT/GB99/00080

<151> 1999-01-11

<150> GB/9800445.0

<151> 1998-01-09

<150> GB/9820474.6

<151> 1998-09-21

<160> 162

<170> PatentIn version 3.0

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<211> 70

<212> PRT

<213> Felis catus

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35 40 45

Met Thr Glu Glu Asp Lys Glu Asn Ala Leu Ser Leu Leu Asp Lys Ile  
50 55 60

Tyr Thr Ser Pro Leu Cys  
65 70

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<211> 92

<212> PRT

<213> Felis catus

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20 25 30

Asn Ala Thr Glu Pro Glu Arg Thr Ala Met Lys Lys Ile Gln Asp Cys  
35 40 45

Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val Met  
50 55 60

Thr Thr Ile Ser Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn  
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Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg  
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Thr

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Leu

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<211> 16

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<213> Felis catus

<400> 12

Gly Asn Glu Leu Leu Leu Lys Leu Ser Leu Thr Lys Val Asn Ala Thr  
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<213> Felis catus

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1 5 10 15

<210> 14

<211> 16

<212> PRT

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<211> 16

<212> PRT

<213> Felis catus

<400> 15

Cys Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val  
1 5 10 15

<210> 16

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<213> Felis catus

<400> 16

Ser Arg Val Leu Asp Gly Leu Val Met Thr Thr Ile Ser Ser Ser Lys  
1 5 10 15

<210> 17

<211> 16

<212> PRT

<213> Felis catus

<400> 17

Ile Ser Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn Thr Val  
1 5 10 15

<210> 18

<211> 16

<212> PRT

<213> Felis catus

<400> 18

Ala Val Gln Asn Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg  
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<210> 19

<211> 320

<212> PRT

<213> Dermatophagoides pteronyssinus

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Tyr Ala Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala  
20 25 30

Phe Asn Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys  
35 40 45

Asn Phe Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gly Gly Ala Ile  
50 55 60

Asn His Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu  
65 70 75 80

Met Ser Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn  
85 90 95

Ala Glu Thr Asn Ala Cys Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile  
100 105 110

Asp Leu Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly  
115 120 125

Cys Gly Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala  
130 135 140

Tyr Leu Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu  
145 150 155 160

Val Asp Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg  
165 170 175

Gly Ile Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr  
180 185 190

Arg Tyr Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg  
195 200 205

Phe Gly Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asn Val Asn Lys  
210 215 220

Ile Arg Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile  
225 230 235 240

Gly Ile Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile  
245 250 255

Ile Gln Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile  
260 265 270

Val Gly Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn  
275 280 285

Ser Trp Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala  
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Asn Ile Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu  
305 310 315 320

<210> 20

<211> 146

<212> PRT

<213> Dermatophagoides pteronyssinus

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Arg Asp Gln Val Asp Val Lys Asp Cys Ala Asn His Glu Ile Lys Lys  
20 25 30

Val Leu Val Pro Gly Cys His Gly Ser Glu Pro Cys Ile Ile His Arg  
35 40 45

Gly Lys Pro Phe Gln Leu Glu Ala Val Phe Glu Ala Asn Gln Asn Thr  
 50 55 60

Lys Thr Ala Lys Ile Glu Ile Lys Ala Ser Ile Asp Gly Leu Glu Val  
 65 70 75 80

Asp Val Pro Gly Ile Asp Pro Asn Ala Cys His Tyr Met Lys Cys Pro  
 85 90 95

Leu Val Lys Gly Gln Gln Tyr Asp Ile Lys Tyr Thr Trp Asn Val Pro  
 100 105 110

Lys Ile Ala Pro Lys Ser Glu Asn Val Val Val Thr Val Lys Val Met  
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Gly Asp Asp Gly Val Leu Ala Cys Ala Ile Ala Thr His Ala Lys Ile  
 130 135 140

Arg Asp  
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<210> 21

<211> 261

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<213> Dermatophagoides pteronyssinus

<400> 21

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 20 25 30

Gly Glu Lys Ala Leu Ala Gly Glu Cys Pro Tyr Gln Ile Ser Leu Gln  
 35 40 45

Ser Ser Ser His Phe Cys Gly Gly Thr Ile Leu Asp Glu Tyr Trp Ile  
 50 55 60

Leu Thr Ala Ala His Cys Val Ala Gly Gln Thr Ala Ser Lys Leu Ser  
 65 70 75 80

Ile Arg Tyr Asn Ser Leu Lys His Ser Leu Gly Gly Glu Lys Ile Ser  
 85 90 95

Val Ala Lys Ile Phe Ala His Glu Lys Tyr Asp Ser Tyr Gln Ile Asp  
 100 105 110

Asn Asp Ile Ala Leu Ile Lys Leu Lys Ser Pro Met Lys Leu Asn Gln  
 115 120 125

Lys Asn Ala Lys Ala Val Gly Leu Pro Ala Lys Gly Ser Asp Val Lys  
 130 135 140  
 Val Gly Asp Gln Val Arg Val Ser Gly Trp Gly Tyr Leu Glu Glu Gly  
 145 150 155 160  
 Ser Tyr Ser Leu Pro Ser Glu Leu Arg Arg Val Asp Ile Ala Val Val  
 165 170 175  
 Ser Arg Lys Glu Cys Asn Glu Leu Tyr Ser Lys Ala Asn Ala Glu Val  
 180 185 190  
 Thr Asp Asn Met Ile Cys Gly Gly Asp Val Ala Asn Gly Gly Lys Asp  
 195 200 205  
 Ser Cys Gln Gly Asp Ser Gly Gly Pro Val Val Asp Val Lys Asn Asn  
 210 215 220  
 Gln Val Val Gly Ile Val Ser Trp Gly Tyr Gly Cys Ala Arg Lys Gly  
 225 230 235 240  
 Tyr Pro Gly Val Tyr Thr Arg Val Gly Asn Phe Ile Asp Trp Ile Glu  
 245 250 255  
 Ser Lys Arg Ser Gln  
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<210> 22

<211> 19

<212> PRT

<213> Dermatophagoides pteronyssinus

<220>

<221> misc\_feature

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<400> 22

Lys Tyr Xaa Asn Pro His Phe Ile Gly Xaa Arg Ser Val Ile Thr Xaa  
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Leu Met Glu

<210> 23

<211> 132

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 23

Met Lys Phe Ile Ile Ala Phe Phe Val Ala Thr Leu Ala Val Met Thr  
1 5 10 15

Val Ser Gly Glu Asp Lys Lys His Asp Tyr Gln Asn Glu Phe Asp Phe  
20 25 30

Leu Leu Met Glu Arg Ile His Glu Gln Ile Lys Lys Gly Glu Leu Ala  
35 40 45

Leu Phe Tyr Leu Gln Glu Gln Ile Asn His Phe Glu Glu Lys Pro Thr  
50 55 60

Lys Glu Met Lys Asp Lys Ile Val Ala Glu Met Asp Thr Ile Ile Ala  
65 70 75 80

Met Ile Asp Gly Val Arg Gly Val Leu Asp Arg Leu Met Gln Arg Lys  
85 90 95

Asp Leu Asp Ile Phe Glu Gln Tyr Asn Leu Glu Met Ala Lys Lys Ser  
100 105 110

Gly Asp Ile Leu Glu Arg Asp Leu Lys Lys Glu Glu Ala Arg Val Lys  
115 120 125

Lys Ile Glu Val  
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<210> 24

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<213> Dermatophagoides pteronyssinus

<220>

<221> misc\_feature

<223> X ia unknown amino acid

<400> 24

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Ser Leu Met Lys  
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<210> 25

<211> 215

<212> PRT

<213> Dermatophagoides pteronyssinus

  

<400> 25

Met Met Lys Leu Leu Leu Ile Ala Ala Ala Ala Phe Val Ala Val Ser			
1	5	10	15

Ala Asp Pro Ile His Tyr Asp Lys Ile Thr Glu Glu Ile Asn Lys Ala			
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Val Asp Glu Ala Val Ala Ala Ile Glu Lys Ser Glu Thr Phe Asp Pro			
35	40	45	

Met Lys Val Pro Asp His Ser Asp Lys Phe Glu Arg His Ile Gly Ile			
50	55	60	

Ile Asp Leu Lys Gly Glu Leu Asp Met Arg Asn Ile Gln Val Arg Gly			
65	70	75	80

Leu Lys Gln Met Lys Arg Val Gly Asp Ala Asn Val Lys Ser Glu Asp			
85	90	95	

Gly Val Val Lys Ala His Leu Leu Val Gly Val His Asp Asp Val Val			
100	105	110	

Ser Met Glu Tyr Asp Leu Ala Tyr Lys Leu Gly Asp Leu His Pro Asn			
115	120	125	

Thr His Val Ile Ser Asp Ile Gln Asp Phe Val Val Glu Leu Ser Leu			
130	135	140	

Glu Val Ser Glu Glu Gly Asn Met Thr Leu Thr Ser Phe Glu Val Arg			
145	150	155	160

Gln Phe Ala Asn Val Val Asn His Ile Gly Gly Leu Ser Ile Leu Asp			
165	170	175	

Pro Ile Phe Ala Val Leu Ser Asp Val Leu Thr Ala Ile Phe Gln Asp			
180	185	190	

Thr Val Arg Ala Glu Met Thr Lys Val Leu Ala Pro Ala Phe Lys Lys			
195	200	205	

Glu Leu Glu Arg Asn Asn Gln

210

215

&lt;210&gt; 26

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Dermatophagoides pteronyssinus

&lt;400&gt; 26

Ile Val Gly Gly Ser Asn Ala Ser Pro Gly Asp Ala Val Tyr Gln Ile  
1 5 10 15

Ala Leu

&lt;210&gt; 27

&lt;211&gt; 319

&lt;212&gt; PRT

&lt;213&gt; Dermatophagoides farinae

&lt;400&gt; 27

Met Lys Phe Val Leu Ala Ile Ala Ser Leu Leu Val Leu Thr Val Tyr  
1 5 10 15

Ala Arg Pro Ala Ser Ile Lys Thr Phe Glu Phe Lys Lys Ala Phe Asn  
20 25 30

Lys Asn Tyr Ala Thr Val Glu Glu Glu Glu Val Ala Arg Lys Asn Phe  
35 40 45

Leu Glu Ser Leu Lys Tyr Val Glu Ala Asn Lys Gly Ala Ile Asn His  
50 55 60

Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Tyr Leu Met Ser  
65 70 75 80

Ala Glu Ala Phe Glu Gln Leu Lys Thr Gln Phe Asp Leu Asn Ala Glu  
85 90 95

Thr Ser Ala Cys Arg Ile Asn Ser Val Asn Val Pro Ser Glu Leu Asp  
100 105 110

Leu Arg Ser Leu Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly Cys  
115 120 125

Gly Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala Tyr

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Leu Ala Tyr Arg Asn Thr Ser Leu Asp Leu Ser Glu Gln Glu Leu Val					
145		150		155	160
Asp Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg Gly					
	165		170		175
Ile Glu Tyr Ile Gln Gln Asn Gly Val Val Glu Glu Arg Ser Tyr Pro					
	180		185		190
Tyr Val Ala Arg Glu Gln Arg Cys Arg Arg Pro Asn Ser Gln His Tyr					
	195		200		205
Gly Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asp Val Lys Gln Ile					
	210		215		220
Arg Glu Ala Leu Thr Gln Thr His Thr Ala Ile Ala Val Ile Ile Gly					
225		230		235	240
Ile Lys Asp Leu Arg Ala Phe Gl					